



CITY OF KIRKLAND
Invitation For Bidders
Box Culvert Sections and Junction Structures
for Totem Lake Twin 42-Inch Culvert Replacement Project
JOB NO. 06-13-PW

Questions and Answers

Question 1:

The box culvert specifications call for a "monolithic" box culvert. Will the city accept a "split culvert" or in other words a two piece box with a "U" shaped bottom and a flat slab top?

Answer:

We are requiring a monolithic box culvert. A U shaped bottom with top slab will not be acceptable for this project.

Question 2:

The delivery dates of June 1st through September 15th does not really define when we need to have which parts ready for delivery. The longer we have to produce the parts the better price the city will get for the project. Is there a way to get more specific delivery requirements?

Answer:

The delivery for specific parts will come from the installation contractor. We expect to have a contractor on board and have a schedule for their work the end of April beginning of May.

Question 3:

Can you provide the inside heights required for the two Junction Structures?

Answer:

The inside heights of junction structures will depend of their structural designs The invert elevations of the box culverts and the elevations of the tops of the top slabs are shown on sheets 4 and 5. Based on those elevations, the vertical inside dimensions will depend structural design parameters such as the top slab's thicknesses, the sizes of the openings in the walls for the box culverts (which I would expect to be at least 2" larger than the outside dimensions of the box culverts), and structural requirement for remaining wall between the openings for the box culverts and the structure's bottom slabs. Production features such as the Supplier's standard forms may also be a consideration.

Question 4:

Is WSDOT inspection required?

Answer:

I am not aware of any requirement for WSDOT inspection of the box culvert sections or junction structures.

Question 5:

In the specifications there is a note: "Box culvert sections shall not be coated internally or externally with any substance." Is this meant to include form release agent used on the forms prior to casting or just after the concrete has been striped?

Answer:

Form release agents can be used provided they are NSF approved for potable water.

Question 6:

Will the city accept a 8'x4' tall monolithic 4 sided box culvert instead of the 8'x3' specified?

Answer:

The City will not accept a 8'x4' tall monolithic 4 sided box culvert. It must be 8'x3'.